Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/12/2017 12:26 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124184	-1	1.50	124106	1.44
Blue	F	SSC	125000	123342	-2	2.89	123768	2.69
Blue	E	FITC	22946	22044	-4	2.38	980	9.76
Blue	D	PE	28770	28295	-2	1.89	1015	9.24
Blue	B	PerCP-Cy5-5	51099	50315	-2	3.24	1442	15.86
Blue	A	PE-Cy7	42312	41646	-2	4.87	642	33.79
Red	C	APC	52169	51235	-2	2.79	2960	9.08
Red	A	APC-Cy7	56705	56345	-1	2.83	1162	10.98
Violet	B	V450	14708	14038	-5	5.14	671	9.24
Violet	A	V500	58608	57089	-3	4.95	2526	7.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19841	4.18	600	2	N/A	N/A	Pass
Blue	F	SSC	61405	1.46	531	13	N/A	N/A	Pass
Blue	E	FITC	110	37.07	535	4	0.0230	135	Pass
Blue	D	PE	222	26.32	532	6	0.1705	176	Pass
Blue	B	PerCP-Cy5-5	226	42.24	627	5	0.0117	107	Pass
Blue	A	PE-Cy7	71	109.82	675	4	0.0131	10	Pass
Red	C	APC	346	27.00	592	2	0.0226	116	Pass
Red	A	APC-Cy7	128	39.71	578	2	0.0060	1779	Pass
Violet	B	V450	81	41.27	465	6	0.0530	2079	Pass
Violet	A	V500	185	22.81	494	6	0.0154	566	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.48	-31.08	0.84
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	16.55	13.27 - 19.91	N/A	N/A	31.44	31.76	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 17673

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments